

In the Claims:

Please amend as follows the claims submitted under Article 19 of the Patent Cooperation Treaty and attached to the International Preliminary Report On Patentability:

1-11 (cancelled)

12. (new) A control system for controlling one or more manipulators, wherein the control system comprises one or more drives that control motors driving the movements of the manipulator, an axis computer that provides control signals to the drives, and a main computer that is adapted to execute a program with instructions for the movements and that supplies the axis computer with control instructions, wherein the control system comprises physically separated modules adapted such that they may be placed at separated locations and to handle different functions, each of the modules may be surrounded by a casing of its own, may have its own power supply and has a well-defined interface in relation to the other modules, wherein said computers and drives are arranged in the modules, and one of said modules is a main computer module, which comprises the main computer, and another of said modules is a drive module, which comprises the axis computer.

13. (new) The control system according to claim 12, wherein the control system comprises at least two separate drive modules.

14. (new) The control system according to claim 13, wherein each drive module is

adapted to control a manipulator.

15. (new) The control system according to claim 12, wherein said drive module comprises a drive unit that includes one or more drives.

16. (new) The control system according to claim 12, wherein one of said modules is a transformer module that includes a transformer.

17. (new) The control system according to claim 12, wherein one of said modules is a control module that comprises the control panel of the control system.

18. (new) The control system according to claim 12, wherein at least some of the modules are adapted to communicate via Ethernet.

19. (new) The control system according to claim 12, wherein said manipulator is an industrial robot.

20. (new) The control system according to claim 12, wherein the control system comprises at least one module.

21. (new) Use of a control system according to claim 12 for controlling an industrial robot.

22. (new) A method for controlling one or more manipulators, wherein the control system comprises drives that control motors driving the movements of the manipulator, an axis computer that provides control signals to the drives, and a main computer that is adapted to execute a program with instructions for the movements and that supplies the axis computer with control instructions, wherein said one or more computers and drives may be arranged in physically separated modules, each of which may have its own power supply and a well-defined interface in relation to the other modules, wherein the axis computer and the main computer are arranged in separate modules and are brought to communicate with at least one of the other modules.